

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 100386

Date: 6/2/17

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Sticky Sway valve

2. Visual Inspection

3. Troubleshooting/Repair

Replaced missing o-ring from regulator
Replaced missing controller board screw
Replaced Sway valve
Ran a 0.100 simulator and a VOC
both successful

4. VOC (attached)

5. Internal Standard value $\leq 3.00\%$ Yes No

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100386

Date: 06/27/2017
Time: 09:06:59

SUBJECT NAME:
TEST TEST

LICENSE #: GUTH 0.100

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1

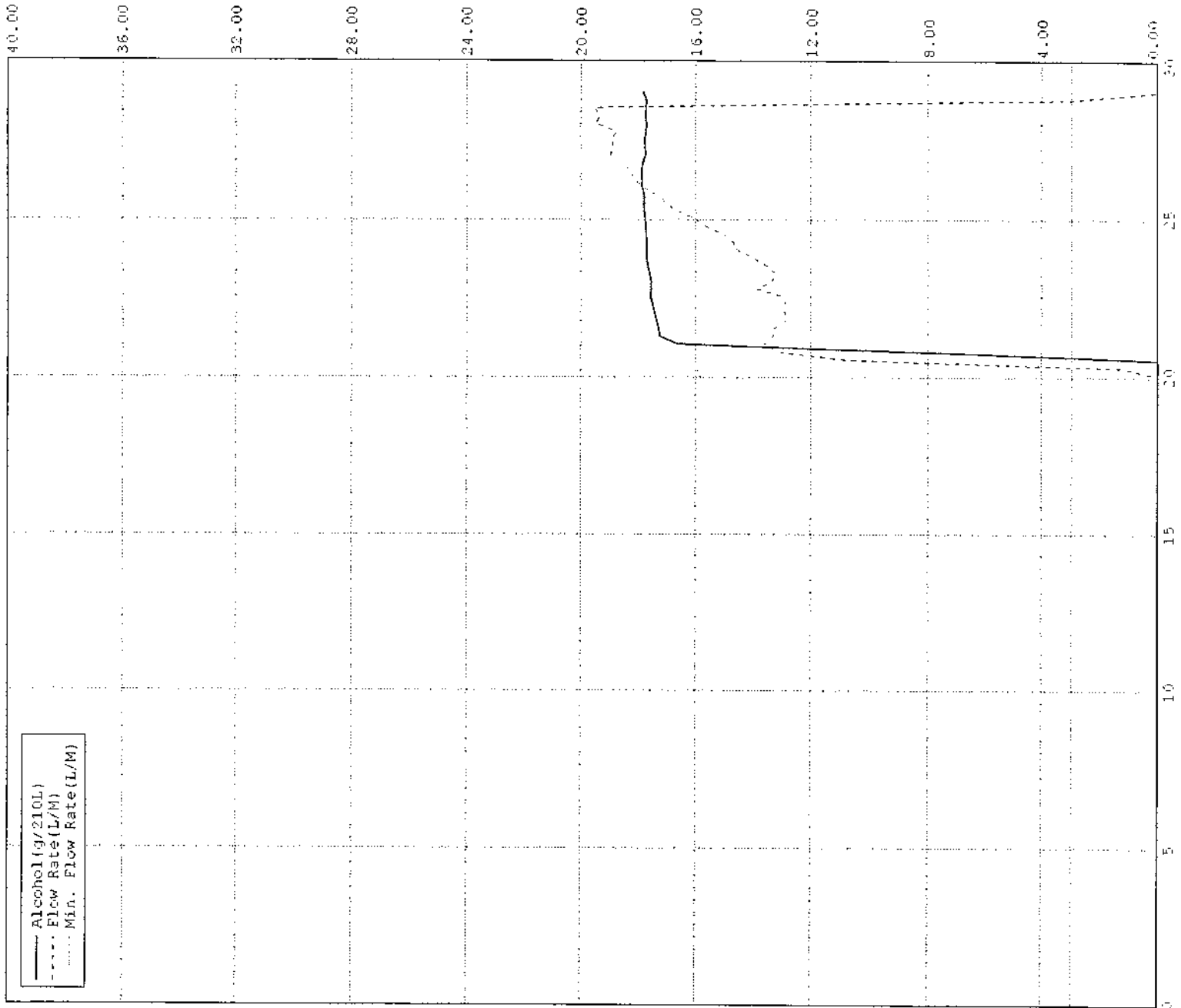
CASE/REPORT: 17-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.64: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018

DIAGNOSTIC CHECK	PASSED	09:09
BLANK TEST	0.000	09:09
INTERNAL STANDARD	VERIFIED	09:09
EXTERNAL STANDARD	0.078	09:09
BLANK TEST	0.000	09:10
SUBJECT SAMPLE (Vol=2.17L)	0.089	09:11
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.078	09:12
BLANK TEST	0.000	09:13

DRE 4/6/19 9/14/16
Guth 0.100
Lot 17060 (prep 3/31/17)
Exp 2/14/19 (exp 6/30/17)



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100386

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/27/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 991 psi

BLANK TEST	0.000	09:18
INTERNAL STANDARD	VERIFIED	09:18
Xq = 0.092	(0.57%)	
EXTERNAL STANDARD	0.079	09:18
X[1] = 0.0788 (0.0017)	(0.0015)	
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.078	09:19
X[1] = 0.0779 (0.0003)	(0.0010)	
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.078	09:20
X[1] = 0.0780 (0.0005)	(0.0005)	
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.078	09:21
X[1] = 0.0783 (0.0008)	(0.0005)	
BLANK TEST	0.000	09:22
EXTERNAL STANDARD	0.078	09:22
X[1] = 0.0783 (0.0010)	(0.0005)	
BLANK TEST	0.000	09:23

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.67 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.66 V	PASSED
(1.01 V - 2.35 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 523 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 5.067 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.092	(0.57%) (0.00% - 4.00%)